

# Model Question Paper

For Kashmir Division 2010 Regular Exam Only

Roll No.....

Subject

ENVIRONMENTAL SCIENCE

Maximum Marks --- 60

Time Allowed – 3 Hours (Fifteen Minutes Extra to read the question paper)

Do questions from Part A or Part B or from both Part A and B Part of maximum 60 marks as per your preparation.

## Part A

(Long Answer Type Questions)

1. Why are the term Remote sensing and GIS synonymous ? How is GIS helpful for decision-makers and planners ?

*Or*

Name the various primary gaseous pollutants in air and the devices for their control. Describe any two of them. 5

2. Describe the consequences of High population growth in India.

*Or*

Describe the role of Women in checking Population growth. 5

3. Agricultural expansion and intensification has raised concern about the state of Agro-ecosystems. Explain.

*Or*

Explain the need for Conservation of Wild-life. 5

4. Explain, how a Better quality of life is dependent upon the quality of Environment.

*Or*

Explain Sustainable development. 5

P. T. O.

5. How is Primary Succession different from Secondary Succession ? Give examples.

**Or**

Describe the Waste minimization. What is its importance ? 5

**(Short Answer Type Questions)**

6. Write a note on Wet scrubbers. 3
7. Explain Cleaner fuel. 3
8. Write a note on Mutualism. 3
9. Explain Positive checks. 3
10. Write a paragraph on Family Planning. 3
11. Write a note on Key elements of EIA. 3
12. Explain Food pyramid. 3

**(Very Short Answer Type Questions)**

13. The following very short answer type questions of two marks, each may be answered in a few words or few sentences or as may be required.
- (a) Which is the most suitable adsorbent for recovering Organic solvent vapour
- (b) What is the Primary cause of loss of Biodiversity ?
- (c) Where is Tehri dam built ?
- (d) Name two main proposed solutions to Environmental problems.

**(Objective Type Questions)**

14. Choose the correct/most appropriate answer and write it in your Answer-book

(i) The major source of Urban air pollution is

A. Thermal power plants

B. Vehicles

C. Industries

D. Households.

(ii) The Air pollution control device with maximum efficiency is

A. Electrostatic precipitator

B. Wet scrubber

C. Fabric filter

D. Cyclone.

(iii) A network of Food chains in an ecosystem constitutes

A. Ecological niche

B. Food pyramid

C. Food web

D. Food energy.

(iv) In India Wild-life Protection Act was enacted in

A. 1952

B. 1955

C. 1972

D. 1982.

(v) Which have been primarily used to monitor Environmental accumulation of chemicals ?

- A. Bioindicators
- B. Bioaccumulators
- C. Parasites
- D. Exotic species.

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(vi) EIA, a tool used to identify

- A. Environmental impacts of a project
- B. Social impacts of a project
- C. Economic impacts of a project
- D. All the above.

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## Part B

### (Long Answer Type Questions)

1. Define Technology. Has development of technology brought any progress and development in the Society ? Discuss.

*Or*

Describe the various aspects to explore the energy from Biomass. 5

2. What are low cost Sanitation techniques ? Give important characteristics of EOSAN latrines.

*Or*

“Most appropriate technologies can sustain the environment.” Discuss. 5

3. What is Globalwarming ? How is it responsible for climate change ?

*Or*

Enlist the various effects on ecosystem and human health due to burning a fossil fuel products. 5

4. Give detailed account of Domestic sewage and its treatment.

*Or*

What is Industrial pollution ? Enlist its effects and suggests its control. 5

P. T. O.

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5. Explain the aims and objectives of the Air (Prevention and Control of Pollution) Act, 1981.

*Or*

Discuss the major documents signed at the Earth Summit, 1992. 5

**(Short Answer Type Questions)**

6. Differentiate Hard technology and Soft technology. 3
7. Enlist the uses of Wind energy. 3
8. Describe the causes and sources of Ground water pollution. 3
9. Write short note on Entrophication. 3
10. Enumerate the effects of Soil pollution. 3
11. Precisely mention the salient features of Municipal Solid Waste (Management handling Rule 2000). 3
12. Explain Regional Trade Agreements (RTA's). 3

**(Very Short Answer Type Questions)**

13. The following very short answer type questions of two marks, each may be answered in a few words or few sentences or as may be required.
- (a) What are Non-renewable sources of energy ? 2
- (b) What do you mean by Water cycle ? 2
- (c) What is GATT ? Give its one function. 2
- (d) Write the full form of WTO and UNCLOS. 2



**(Objective Type Questions)**

14. Choose the correct/most appropriate answer and write it in your Answer-book :

(i) Out of these which is a renewable source of energy ?

- A. Natural gas
- B. Wind energy
- C. Nuclear power
- D. Petroleum.

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(ii) Which of the group of diseases spread through continued food or water ?

- A. Typhoid, Cholera and Dysentery
- B. Tetanus, Hepatitis and AIDS
- C. Measles, Influenza and Small pox
- D. Rabies, Malaria and Encephalitis.

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(iii) Which is not an aerobic method of waste water treatment ?

- A. Filtration
- B. Activated sludge treatment
- C. Oxidation ponds
- D. Septic tanks.

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(iv) What is the biggest source of nitrate pollution in water ?

- A. Human waste
- B. Agriculture run off
- C. Harvest of timber
- D. Cultivation of grasslands and jhum cultivation.

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(v) Which one is not the methods for Air pollution control at source ?

- A. Substitution of the raw material
- B. Modification of process and equipment
- C. Planting trees and growing vegetables
- D. Air pollution control devices.

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(vi) Disturbance in which nutrient cycle results in an increase in mean temperature of the earth

- A. Nitrogen
- B. Carbon
- C. Sulphur
- D. All the above.

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